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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,846	10/31/2003	Farid Bruce Khalili	VER2226-005	8064
	7590 10/20/200 AW GROUP LLP	EXAMINER		
495 METRO PI	LACE SOUTH	PELLEGRINO, BRIAN E		
SUITE 210 DUBLIN, OH 43017			ART UNIT	PAPER NUMBER
			3738	
			MAIL DATE	DELIVERY MODE
			10/20/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
Office Action Comments	10/696,846	KHALILI, FARID BRUCE		
Office Action Summary	Examiner	Art Unit		
	Brian E. Pellegrino	3738		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DOWN THE MAILING DOWN THE MAILING DOWN THE MAILING DOWN THE MERICAL STATE AND	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tinuity will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).		
Status				
1) ☐ Responsive to communication(s) filed on 29 Ju 2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final.			
Disposition of Claims				
4) ☐ Claim(s) 2-5,8-10 and 17-19 is/are pending in a 4a) Of the above claim(s) 4 and 5 is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 2,3,8-10 and 17-19 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	awn from consideration.			
Application Papers				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate		

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's AF submission filed on 6/24/08 has now been entered.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 18,19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 18 recites the limitation "the inverted frustocone" in line 3 of the claim. There is insufficient antecedent basis for this limitation in the claim.

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Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 2,3,8,9,17,18 are rejected as best understood under 35 U.S.C. 103(a) as being unpatentable over Mazda (WO 94/04100) in view of Serhan et al. (6669732). Mazda shows (Fig. 5) a spinal implant with a first base component 25, a second base component 26, and a middle component 22 having a convex side 9. The first base component having a second side that comprises a concave portion 12 with a constant radius to engage the convex surface of the middle component. Regarding claim 8, it can be seen the middle component is removably or slidably received in slot 28 such that the convex portion extends above the "generally" flat portion of the inner second side of the second base component. It can be construed that grooves in the plates for the screw in teeth lie below the flat surface and surround the convex component. As seen in Fig. 5, there are a plurality of sharpened teeth 17 and are positioned on each side of the top and bottom components for **engaging** vertebrae. With respect to claim 9, it can be seen in Fig. 2 of Mazda that the center of the middle component is closer to one edge than the other. However, Mazda fails to disclose the surface for engaging vertebrae includes a raised portion with angled sidewalls. Serhan et al. teach (Figs. 2,5) that the vertebral engaging surface of the implant includes a raised portion 62, 162 on the top and bottom surfaces of the base components of a spinal implant and has angled sidewalls 70, 170. Serhan also teaches that the outer surface of the implant and the raised portion (Fig. 4) has a coating to cooperate with bone ingrowth, col. 5, lines 10-49. It would have been

obvious to one of ordinary skill in the art to incorporate the raised portion as taught by Serhan et al. with the spinal implant of Mazda since it would enhance the securing and promote integration with the vertebrae. Regarding claim 18, Fig. 6 of Mazda show the teeth are positioned near the periphery and the raised portion on Serhan's device is positioned in the central area.

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mazda (WO 94/04100) in view of Serhan et al. '732 as applied to claim 17 above, and further in view of Khandkar et al. (2004/133281). Mazda is explained above. However, Mazda fails to disclose the middle component varies in height from posterior to anterior edges. Khandkar et al. teach (Fig. 8) that middle component 42 varies in height from posterior to anterior edges to provide limited amount of axial rotation and translation, Paragraph 73. It would have been obvious to one of ordinary skill in the art to modify the middle component to be varied in height as taught by Khandkar et al. in the spinal implant of Mazda modified with Serhan et al. such that it limits movement in a patient that can only have limited motion.

Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mazda in view of Serhan et al. '732 as applied to claim 18 above, and further in view of Alfaro et al. (2001/32017). Mazda as modified by Serhan et al. is explained supra. However, Mazda in view of Serhan et al. fail to disclose a pair of concentric raised circular structures. Alfaro et al. teach (Figs. 1,6A,11) that bone engaging structure centrally located can be concentric and circular since it is stepped to match contour of vertebral endplates, paragraph 11. It would have been obvious to one of ordinary skill in the art

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to incorporate a stepped concentric central section as taught by Alfaro et al. with the spinal implant of Mazda as modified by Serhan et al. such that it conforms to the vertebral bodies the prosthesis is implanted therein.

Response to Arguments

Applicant's arguments with respect to claim 17 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian E. Pellegrino whose telephone number is 571-272-4756. The examiner can normally be reached on M- F (9am-5:30pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TC 3700 /Brian E Pellegrino/ Primary Examiner, Art Unit 3738